

Form PTO-1449

INFORMATION DISCLOSURE CITATION APPLICATION
(Use separate sheets if necessary)

DOCKET NUMBER (Optional)
HMV-006.11

APPLICATION NUMBER
08/954,771

APPLICANT
Ingham, Philip, et al.

FILING DATE
20 October 1997

GROUP ART UNIT
1646

U.S. PATENT DOCUMENTS

EXAM. INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MS	AA 5,223,408	6/29/93	Goeddel et al.	435	69.3	
MS	AB 5,585,087	12/17/96	Lustig et al.	424	9.2	
	AC					
	AD					
	AE					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
MS	AF WO 90/02809	3/22/90	PCT	C12P	21/00		
MS	AG WO 92/15679	9/17/92	PCT	C12N	15/10		
	AH						
	AI						
	AJ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MS	AK	Anderson, R. et al., "Maintenance of ZPA signaling in cultured mouse limb bud cells", <i>Devel.</i> 117:142-1433 (1993).
	AL	Angier, N. "Biologists find key genes that shape patterning of embryos", <i>New York Times</i> , Jan 11, 1994, C-1.
	AM	Basler, K. and G. Struhl, "Compartment boundaries and the control of <i>Drosophila</i> limb pattern by <i>hedgehog</i> protein", <i>Nature</i> 368: 208-214 (1994).
	AN	Basler, K. et al., "Control of cell pattern in the neural Tube: Regulation of cell differentiation by <i>dorsalin-1</i> , a novel TGF β family member", <i>Cell</i> 73:687-702 (1993).
	AO	Bass, S. et al., "Hormone phage: An Enrichment Method for Variant Proteins with Altered Binding Properties", <i>PROTEINS: Structure, Function, and Genetics</i> 8:309-314 (1990).
	AP	Bejsovec, A. and E. Wieschaus, "Segment polarity gene interactions modulate epidermal patterning in <i>Drosophila</i> embryos", <i>Devel.</i> 119:501-517 (1993).
	AQ	Bienz, M., "Homeotic genes and positional signalling in the <i>Drosophila</i> viscera", <i>TIG</i> 10:22-26 (Jan. 1994).
	AR	Bitgood, M. and McMahon, A., "Hedgehog and Bmp Genes are Coexpressed at Many Diverse Sites of Cell-Cell Interaction in the Mouse Embryo", <i>Dev. Biol.</i> 172 (1):126-138 (1995).
	AS	Blair, S.S., "Hedgehog digs up an old friend", <i>Nature</i> 373:656-657 (23 Feb.1995).
	AT	Bone et al., <i>Endo. Meta.</i> 2:160-184 (1995).
	AU	Brand-Saberi, B. et al., "The ventralizing effect of the notochord on somite differentiation in chick embryos", <i>Anat. Embryol.</i> 188: 239-245 (1993).
	AV	Brockes, J., "We may not have a morphogen", <i>Nature</i> 350:15 (1991).
	AW	Bumcrot, D.A. and McMahon A. "Sonic Hedgehog: Making the gradient", <i>Chem. Biol.</i> 3 (1):13-16 (Jan 1996).

EXAMINER *David M. ...* **DATE CONSIDERED** 10/4/00

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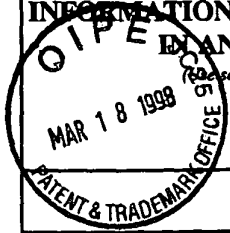
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Ingham, Philip, t al.	
		Filing Date 20 October 1997	Group Art Unit 1646
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	BA	Bumcrot, D.A. and McMahon, A., "Somite differentiation. Sonic signals somites", <i>Curr. Biol.</i> <u>5</u> (6):612-614 (June 1995).	
<input type="checkbox"/>	AY	Bumcrot, D.A. et al., "Proteolytic processing yields two secreted forms of sonic hedgehog", <i>Mol. Cell. Biol.</i> <u>15</u> (4):2294-2303 (4/95).	
<input type="checkbox"/>	AZ	Charité, J. et al., "Ectopic Expression of <i>Hoxb-8</i> Causes Duplication of the ZPA in the Forelimb and Homeotic Transformation of Axial Structures", <i>Cell</i> <u>78</u> :589-601 (1994).	
<input type="checkbox"/>	BA	Coffman et al., "Xotch, the <i>Xenopus</i> homolog of <i>Drosophila</i> notch", <i>Science</i> <u>249</u> :1438-1441 (1990)	
<input type="checkbox"/>	BB	Concordet, J. and Ingham, P., "Developmental biology. Patterning goes sonic", <i>Nature</i> <u>375</u> (6529):279-280 (May 1995)	
<input type="checkbox"/>	BC	Currie et al., "Induction of a specific muscle cell type by a hedgehog-like protein in zebrafish", <i>Nature</i> <u>383</u> :452-455 (1996)	
<input type="checkbox"/>	BD	Curry et al., "Sequence analysis reveals homology between two proteins of the flagellar radial spoke", <i>Mol. Cell. Biol.</i> <u>12</u> :3967-3977 (1992)	
<input type="checkbox"/>	BE	Davidson, E.H., "How embryos work: a comparative view of diverse modes of cell fate specification", <i>Devel.</i> <u>108</u> :365-389 (1990)	
<input type="checkbox"/>	BF	Davis, A.P. and M.R. Capecchi, "Axial homeosis and appendicular skeleton defects in mice with a targeted disruption of <i>hoxd-1</i> ", <i>Devel.</i> <u>120</u> :2187-2198 (1994)	
<input type="checkbox"/>	BG	Dickinson W., "Molecules and morphology: Where's the homology", <i>TIG</i> <u>11</u> , (4):119-120 (1995)	
<input type="checkbox"/>	BH	Dingemans, M.A. et al., "The expression of liver-specific genes within rat embryonic hepatocytes is a discontinuous process", <i>Differentiation</i> <u>56</u> :153-162 (1994)	
<input type="checkbox"/>	BI	Dollé, P. et al., "Coordinate expression of the murine <i>Hox-5</i> complex homoeobox-containing genes during limb pattern formation", <i>Nature</i> <u>342</u> :767-772 (1989)	
<input type="checkbox"/>	BJ	Dollé, P. et al., "Disruption of the <i>Hoxd-13</i> gene induces localized heterochrony leading to mice with neotenic limbs", <i>Cell</i> <u>75</u> :431-441 (1993)	
<input type="checkbox"/>	BK	Echelard, Y. et al., "Sonic hedgehog, a member of a family of putative signaling molecules, is implicated in the regulation of CNS polarity", <i>Cell</i> <u>75</u> :1417-1430 (1993)	
<input type="checkbox"/>	BL	Ekker, S. et al., "Distinct expression and shared activities of members of the hedgehog gene family of <i>xenopus laevis</i> ", <i>Devel.</i> <u>121</u> (8):2337-2347 (Aug 1995)	
<input type="checkbox"/>	BM	Ericson, J. et al., "Sonic hedgehog induces the differentiation of ventral forebrain neurons: a common signal for ventral patterning within the neural tube", <i>Cell</i> <u>81</u> (5):747-756 (June 1995)	
<input type="checkbox"/>	BN	Ettelaie, C. et al., "The effect of lipid peroxidation and lipolysis on the ability of lipoproteins to influence thromboplastin activity", <i>Biochim. Biophys. Acta.</i> <u>1257</u> (1):25-30 (June 1995)	
<input type="checkbox"/>	BO	Fahrner, K. et al., "Transcription of <i>H-2</i> and <i>Qa</i> genes in embryonic and adult mice", <i>EMBO J.</i> <u>6</u> :1265-1271 (1987)	
<input type="checkbox"/>	BP	Fallon, J.F. et al., "FGF-2: Apical ectodermal ridge growth signal for chick limb development", <i>Science</i> <u>264</u> :104-107 (1994)	
<input type="checkbox"/>	BQ	Fan, C. et al., "Long-range sclerotome induction by sonic hedgehog: Direct role of the amino-terminal cleavage product and modulation by the cyclic AMP signaling pathway", <i>Cell</i> <u>81</u> :457-465 (5 May 1995)	
<input type="checkbox"/>	BR	Fietz, M. et al., "The hedgehog gene family in <i>Drosophila</i> and vertebrate development", <i>Devel. Supp.</i> 43-51 (1994)	
<input checked="" type="checkbox"/>	BS	Forbes, A.J. et al., "Genetic analysis of <i>hedgehog</i> signalling in the <i>Drosophila</i> embryo", <i>Devel.</i> <u>119</u> (Supp.):115-124 (1993)	
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BT	Francis, P.H. et al., "Bone morphogenetic proteins and a signalling pathway that controls patterning in the developing chick limb", <i>Devel.</i> 120 :209-218 (1994)		
BU	Gallop, M. et al., "Applications of combinatorial technologies to drug discovery. 1. Background and peptide combinatorial libraries", <i>J. of Med. Chem.</i> 37 (9):1233-1251 (1994)		
BV	Gérard, M. et al., "Structure and activity of regulatory elements involved in the activation the the <i>Hoxd-11</i> gene during late gastrulation", <i>EMBO J.</i> 12 :3539-3550 (1993)		
BW	Gurdon, J.B., "The Generation of diversity and pattern in animal development", <i>Cell</i> 68 :185-199 (1992)		
BX	Gustin, K. et al., "Characterization of the role of individual protein binding motifs within the hepatitis B virus enhancer 1 on X promoter activity using linker scanning mutagenesis", <i>Virology</i> 193 :653-660 (1993)		
BY	Hall, T., et al., "A potential catalytic site revealed by the 1.7-A crystal structure of the amino-terminal signalling domain of Sonic hedgehog", <i>Nature</i> 378 (6553):212-216 (Nov 1995)		
BZ	Halpern, M.E., et al., "Induction of muscle pioneers and floor plate is distinguished by the zebrafish <i>no tail</i> mutation", <i>Cell</i> 75 :99-111 (1993)		
CA	Hamburger, V. and H.L. Hamilton, "A series of normal stages in the development of the chick embryo", <i>J. Morph.</i> 88 :49-92 (1951)		
CB	Hammerschmidt, M. et al., "The world according to hedgehog", <i>TIG</i> 13 (1):14-21 (1997)		
CC	Haramis, A. et al., "The limb deformity mutation disrupts the SHH/FGF-4 feedback loop and regulation of 5-HoxD genes during limb pattern formation", <i>Devel.</i> 121 (12):4161-4170 (Dec 1995)		
CD	Hardy, A., et al., "Gene expression, polarising activity and skeletal patterning in reaggregated hind limb mesenchyme", <i>Devel.</i> 121 (12):4329-4337 (Dec 1995)		
CE	Hatta, K. et al., "The cyclops mutation blocks specification of the floor plate of the zebrafish central nervous system", <i>Nature</i> 350 :339-341 (1991)		
CF	Heberlein, U. et al., "The TGB β homolog <i>dpp</i> and the segment polarity gene <i>hedgehog</i> are required for propagation of a morphogenetic wave in the <i>Drosophila</i> retina", <i>Cell</i> 75 :913-926 (1993)		
CG	Heemskerk, J. and S. DiNardo, " <i>Drosophila hedgehog</i> acts as a morphogen in cellular patterning", <i>Cell</i> 76 :449-460 (1994)		
CH	Hidalgo, A. and P. Ingham, "Cell patterning in <i>Drosophila</i> segment: spatial regulation of the segment polarity gene <i>patched</i> ", <i>Devel.</i> 110 :291-301 (1990)		
CI	Hooper, J. and Scott, M., "The <i>Drosophila</i> <i>patched</i> gene encodes a putative membrane protein required for segmental patterning", <i>Cell</i> 59 :751-765 (1989)		
CJ	Hynes, R.O., "Integrins: A family of Cell Surface Receptors", <i>Cell</i> 48 :549-554 (1987)		
CK	Hynes, M., et al., "Induction of midbrain dopaminergic neurons by Sonic hedgehog", <i>Neuron</i> 15 (1):35-44 (July 1995)		
CL	Ingham, P.W., "Signalling by hedgehog family proteins in <i>Drosophila</i> and vertebrate developmenr", <i>Curr. Opin. Genet. Dev.</i> 5 (4):478-484 (Aug 1995)		
CM	Ingham, P.W., " <i>Hedgehog</i> points the way", <i>Current Biology</i> 4 (4):347-350 (1994)		
CN	Ingham, P.W., "Localized <i>hedgehog</i> activity controls spatial limits of <i>wingless</i> transcription in the <i>Drosophila</i> embryo", <i>Nature</i> 366 :560-562 (1993)		
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<input checked="" type="checkbox"/>	CO	Ingham, P.W. and A. Hidalgo, "Regulation of <i>wingless</i> transcription in the <i>Drosophila</i> embryo", <i>Devel.</i> <u>117</u> :283-291 (1993)	
<input type="checkbox"/>	CP	Ingham, P.W. et al., "Role of the <i>Drosophila</i> <i>patched</i> gene in positional signalling", <i>Nature</i> <u>353</u> :184-187 (1991)	
<input type="checkbox"/>	CQ	Izpisua-Belmonte, J.-C. et al., "Expression of the homeobox <i>Hox-4</i> genes and the specification of position in chick wing development", <i>Nature</i> <u>350</u> :585-589 (1991)	
<input type="checkbox"/>	CR	Izpisua-Belmonte, J.-C. et al., "Expression of <i>Hox-4</i> genes in the chick wings links pattern formation to the epithelial-mesenchymal interactions that mediate growth", <i>EMBO J.</i> <u>11</u> :1451-1457 (1992)	
<input type="checkbox"/>	CS	Jiang, J. and Struhl, G., "Protein kinase A in hedgehog signalling in <i>Drosophila</i> limb development", <i>Cell</i> <u>80</u> (4):563-572 (Feb 1995)	
<input type="checkbox"/>	CT	Jessel, T.M. and D.A. Melton, "Diffusible factors in vertebrate embryonic induction", <i>Cell</i> <u>68</u> :257-270 (1992)	
<input type="checkbox"/>	CU	Johnson, R.L. and C. Tabin, "The long and short of <i>hedgehog</i> signaling", <i>Cell</i> <u>81</u> :313-315 (5 May 1995)	
<input type="checkbox"/>	CV	Johnson, R.L. et al., "Patched overexpression alters wing disc size and pattern: transcriptional and post-transcriptional effects on hedgehog targets", <i>Devel.</i> <u>121</u> (12):4237-4245 (Dec 1995)	
<input type="checkbox"/>	CW	Johnson, R.L., et al., "Ectopic expression of Sonic hedgehog alters dorsal-ventral patterning of somites", <i>Cell</i> <u>79</u> (7):1165-1173 (Dec 1994)	
<input type="checkbox"/>	CX	Johnson, R.L. et al., "Mechanism of limb patterning". <i>Curr. Opin. Genet. Dev.</i> <u>4</u> (4):535-542 (Aug 1994)	
<input type="checkbox"/>	CY	Johnson, R.L. et al., "Sonic hedgehog: a key mediator of anterior-posterior patterning of the limb and dorso-ventral patterning of axial embryonic structures", <i>Biochem. Soc. Trans.</i> <u>22</u> (3):569-574 (Aug 1994)	
<input type="checkbox"/>	CZ	Jones, M. et al., "Involvement of bone morphogenetic protein-4 (BMP-4) and Vgr-L in morphogenesis and neurogenesis in the mouse", <i>Devel.</i> <u>111</u> :531-542 (1991)	
<input type="checkbox"/>	DA	Kalderon, D., "Morphogenetic signaling. Responses to hedgehog" <i>Curr. Biol.</i> <u>5</u> (6):580-582 (June 1995)	
<input type="checkbox"/>	DB	Koonin, E., "A protein splice-junction motif in hedgehog family proteins", <i>Trends in Biochem. Sci.</i> <u>20</u> (4):141-142 (April 1995)	
<input type="checkbox"/>	DC	Kornblihtt, A.R. et al., "Primary structure of human fibronectin: differential splicing may generate at least 10 polypeptides from a single gene", <i>EMBO J.</i> <u>4</u> :1755-1759 (1985)	
<input type="checkbox"/>	DD	Kornfeld, R. and S. Kornfeld, "Assembly of asparagine-Linked oligosaccharides", <i>Ann. Rev. Biochem.</i> <u>54</u> :631-664 (1985)	
<input type="checkbox"/>	DE	Krauss, S. et al., "Expression of the zebrafish paired box gene <i>pax[zf-b]</i> during early neurogenesis", <i>Devel.</i> <u>113</u> :1193-1206 (1991)	
<input type="checkbox"/>	DF	Krauss, S. et al., "A functionally conserved homolog of the <i>Drosophila</i> segment polarity gene <i>hh</i> is expressed in tissues with polarizing activity in zebrafish embryos", <i>Cell</i> <u>75</u> :1431-1444 (1993)	
<input type="checkbox"/>	DG	Lai, C. et al., "Patterning of the neural ectoderm of <i>Xenopus laevis</i> by the amino-terminal product of hedgehog autoproteolytic cleavage", <i>Devel.</i> <u>121</u> (8):2349-2360 (Aug 1995)	
<input type="checkbox"/>	DH	Laufer, E. et al., " <i>Sonic hedgehog</i> and <i>Fgf-4</i> act through a signaling cascade and feedback loop to integrate growth and patterning of the developing limb bud", <i>Cell</i> <u>79</u> :993-1003 (16 Dec. 1994)	
<input type="checkbox"/>	DI	Lee, J.J. et al., "Secretion and localized transcription suggest a role in positional signaling for products of the segmentation gene <i>hedgehog</i> ", <i>Cell</i> <u>71</u> :33-50 (1992)	
<input checked="" type="checkbox"/>	DJ	Lee, J. et al., "Autoproteolysis in hedgehog protein biogenesis", <i>Science</i> <u>266</u> (5190):1528-1537 (Dec 1994)	
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<input checked="" type="checkbox"/>	DK	Levin, M. et al., "A molecular pathway determining left-right asymmetry in chick embryogenesis", <i>Cell</i> 82 (5):803-814 (Sept 1995)	
<input checked="" type="checkbox"/>	DL	Li, W. et al., "Function of protein kinase A in hedgehog signal transduction and Drosophila imaginal disc development", <i>Cell</i> 80 (4):553-562 (Feb 1995)	
<input checked="" type="checkbox"/>	DM	Lopez-Martinez, A. et al., "Limb-patterning activity and restricted posterior localization of the amino-terminal product of Sonic hedgehog cleavage", <i>Curr. Biol.</i> 5 (7):791-796 (July 1995)	
<input checked="" type="checkbox"/>	DN	Lumsden, A. and Graham, A., "Neural patterning: A forward role for hedgehog", <i>Curr. Biol.</i> 5 (12):1347-1350 (Dec 1995)	
<input checked="" type="checkbox"/>	DO	Ma, C. et al., "The segment polarity gene <i>hedgehog</i> is required for progression of the morphogenetic furrow in the developing Drosophila eye", <i>Cell</i> 75 :927-938 (1993)	
<input checked="" type="checkbox"/>	DP	Ma, C. and Moses, K., "Wingless and patched are negative regulators of the morphogenetic furrow and can affect tissue polarity in the developing Drosophila compound eye", <i>Devel.</i> 121 (8) 2279-2289 (Aug 1995)	
<input checked="" type="checkbox"/>	DQ	Marigo, V. et al., "Biochemical evidence that patched is the hedgehog receptor", <i>Nature</i> 384 : 176-179 (1996)	
<input checked="" type="checkbox"/>	DR	Maccabe, J.A. and B.W. Parker, "The target tissue of limb-bud polarizing activity in the induction of supernumerary structures", <i>J. Embryol. Exp. Morph.</i> 53 :67-73 (1979)	
<input checked="" type="checkbox"/>	DS	Marti, E. et al., "Distribution of Sonic hedgehog peptides in the developing chick and mouse embryo", <i>Devel.</i> 121 (8):2537-2547 (Aug 1995)	
<input checked="" type="checkbox"/>	DT	Marti, E. et al., "Requirement of 19K form of Sonic hedgehog for induction of distinct ventral cell types in CNS explants" <i>Nature</i> 375 (6529):322-325 (May 1995)	
<input checked="" type="checkbox"/>	DU	Mavillo, F. et al., "Activation of four homeobox gene clusters in human embryonal carcinoma cells induced to differentiate by retinoic acid", <i>Differentiation</i> 37 :73-79 (1988)	
<input checked="" type="checkbox"/>	DV	McGinnis, W. and R. Krumlauf, "Homeobox genes and axial patterning", <i>Cell</i> 68 :283-302 (1992)	
<input checked="" type="checkbox"/>	DW	Mohler, J., "Requirements for <i>hedgehog</i> , a segmental polarity gene, in patterning larval and adult cuticle of Drosophila", <i>Genetics</i> 120 :1061-1072 (1988)	
<input checked="" type="checkbox"/>	DX	Mohler, J. and K. Vani, "Molecular organization and embryonic expression of the <i>hedgehog</i> gene involved in cell-cell communication in segmental patterning of <i>Drosophila</i> ", <i>Devel.</i> 115 :957-971 (1992)	
<input checked="" type="checkbox"/>	DY	Morgan, B.A. et al., "Targeted misexpression of <i>Hox-4.6</i> in the avian limb bud causes apparent homeotic transformations", <i>Nature</i> 358 :236-239 (1992)	
<input checked="" type="checkbox"/>	DZ	Munsterberg A. et al., "Combinatorial signaling by Sonic hedgehog and Wnt family members induces myogenic bHLH gene expression in the somite", <i>Genes Dev.</i> 9 (23):2911-2922 (Dec 1995)	
<input checked="" type="checkbox"/>	EA	Nakano, Y. et al., "A protein with several possible membrane-spanning domains encoded by the Drosophila segment polarity gene <i>patched</i> ", <i>Nature</i> 341 :508-513 (1989)	
<input checked="" type="checkbox"/>	EB	Ngo, J. et al., "The protein folding problem and tertiary structure prediction", Merz and LeGrand, ed. Birkhauser, Boston (1994)	
<input checked="" type="checkbox"/>	EC	Niswander, L. and G.R. Martin, "FGF-4 and BMP-2 have opposite effects on limb growth", <i>Nature</i> 361 :68-71 (1993)	
<input checked="" type="checkbox"/>	ED	Niswander, L. et al., "A positive feedback loop coordinates growth and patterning in the vertebrate limb", <i>Nature</i> 371 (6498): 609-612 (Oct 1994)	
<input checked="" type="checkbox"/>	EE	Nohno, T. et al., "Involvement of the <i>Chox-4</i> chicken homeobox genes in determination of anteroposterior axial polarity during limb development", <i>Cell</i> 64 :1197-1205 (1991)	
<input checked="" type="checkbox"/>	EF	Nohno, T. et al., "Involvement of the Sonic hedgehog gene in chick feather formation", <i>Biochem. Biophys. Res. Comm.</i> 206 (1): 33-39 (Jan 1995)	
<input checked="" type="checkbox"/>	EG	O'Farrell, P.H., "Unanimity waits in the wings", <i>Nature</i> 368 :188-189 (1994)	
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EH	Parr, B.A. et al., "Mouse <i>Wnt</i> genes exhibit discrete domains of expression in the early embryonic CNS and limb buds", <i>Devel.</i> 119 :247-261 (1993)		
EI	Patel, N.H. et al., "The role of segment polarity genes during <i>Drosophila</i> neurogenesis", <i>Genes Devel.</i> 3 :890-904 (1989)		
EJ	Peifer, M., "The two faces of hedgehog", <i>Science</i> 266 (5190):1492-1493 (Dec 1994)		
EK	Perrimon, N., "Hedgehog and beyond", <i>Cell</i> 80 :517-520 (24 Feb.1995)		
EL	Pham, A. et al., "The suppressor of fused gene encodes a novel PEST protein involved in <i>Drosophila</i> segment polarity establishment", <i>Genetics</i> 140 (2):587-598 (June 1995)		
EM	Placzek, M. et al., "Induction of floor plate differentiation by contact-dependent, homeogenetic signals", <i>Devel.</i> 117 :205-218 (1993)		
EN	Placzek, M. et al., "Orientation of commissural axons <i>in vitro</i> in response to a floor plate-derived chemoattractant", <i>Devel.</i> 110 :19-30 (1990)		
EO	Pollack, R.A. et al., "Altering the boundaries of <i>Hox3.1</i> expression: Evidence for antipodal gene regulation", <i>Cell</i> 71 :911-923 (1992)		
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EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	10/8/00
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Form PTO-1449		Docket Number (Optional) HMV-006.11	Application Number 08/954,771
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use separate sheets if necessary)		Applicant: Ingham, Philip, et al. Filing Date: 20 October 1997 Group Art Unit: 1646	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
WS	FC	Smith, J.C., "Hedgehog, the floor plate, and the zone of polarizing activity", <i>Cell</i> 76:193-196 (1994)	
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